CLAIMS APPENDIX

1. (Previously Presented) A method of transmitting signals from at least two antennae comprising the steps of:

determining at least one correlation coefficient between received signals from the at least two antennae; and

in response to the at least one determined correlation coefficient selecting at least one of orthogonal coding and beamforming for transmitting signals using the at least two antennae.

2. (Previously Presented) The method of claim 1, wherein the step of determining at least one correlation coefficient between the received signals comprises determining at least one amplitude correlation coefficient.

3. (Previously Presented) The method of claim 1, wherein the step of determining at least one correlation coefficient between the received signals comprises determining at least one phase correlation coefficient.

4. (Previously Presented) The method of claim 3, wherein the at least one phase correlation coefficient is estimated.

5. (Previously Presented) The method of claim 1, wherein the step of determining at least one correlation coefficient comprises determining at least one correlation between the received signals.

6. (Previously Presented) The method of claim 1, wherein the step of selecting at least one of orthogonal coding and beamforming comprises selecting a proportion of orthogonal coding relative to a proportion of beamforming used for transmitting the signals.

7. (Previously Presented) The method of claim 6, wherein the at least one correlation coefficient varies between a first level and a second level.

8. (Previously Presented) The method of claim 13, wherein the at least one correlation coefficient having a level between the first and second levels results in selecting both beamforming and orthogonal coding for transmitting.

9. (Previously Presented) The method of claim 13, wherein the at least one correlation coefficient determines the proportion of beamforming relative to orthogonal coding used for transmitting.

10. (Previously Presented) The method of claim 9, wherein the at least one correlation being at a level that is closer to the first level results in transmitting more beamforming than orthogonal coding.

11. (Previously Presented) The method of claim 9, wherein the at least one correlation coefficient being at a level that is closer to the second level results in transmitting using more orthogonal than beamforming.

12. (Previously Presented) The method of claim 9, wherein the at least one correlation coefficient relative to the first and second reference levels determines the relative amounts of beamforming relative to orthogonal coding used for transmitting.

13. (Previously Presented) The method of claim 7, wherein the at least one correlation coefficient being substantially equal to the first level results in selecting beamforming for transmitting and wherein the at least one correlation coefficient being substantially equal to the second level results in selecting orthogonal coding for transmitting.